



Controlling Execution

Execute the program until an `abend`, a breakpoint, or normal completion.

Execute n PL/I statements. Show each statement as it executes.

Execute a CALLED procedure and stop at the statement following the CALL.

Execute code until the next PROC.

Reposition the chevrons to the specified target where execution will continue.

Interrupt program execution and return control to the programmer (non-CICS).

End the current test session. Use RUN or STEP to restart a test.

Set a breakpoint before each *dataitem*.

Set a breakpoint before all IO statements.

Set a breakpoint after the next CALL.

Set a breakpoint on a specific line.

Set breakpoints with an impact dataset.

Display dataname definitions, values, and addresses.

Remove lines displayed as a result of ZD and ZG commands.

Keep specified items displayed at top of the screen for monitoring or changing data.

OPTIONS | MODES

Type over the value displayed in the data window to change the values of a data field.

Stop execution before the dataname value is modified.

ADD	IF/ELSE	pslabel.
MOVE	SUBTRACT	77 level name
GO TO	Define label	NEXT SENTENCE
&COUNT	Contains the number of times a line of pseudo code is executed.	

Recording Single Program Coverage

Start the recording of statement counts.

Display a summary showing how many times each statement was executed.

Display a summary showing how many times each PROC was executed.

Copy the entire statement counts of a program to the LIST file for printing.

To enable collection.

Display the execution path taken by the program paragraph and source statement in execution sequence.

Copy the execution path taken to the LIST file for printing.

Qualify to the load module and program for viewing.

Display program being tested after viewing another program.

End viewing of programs that have been qualified.

Turn the BACKTRACK recording mode ON. The BACKTRACK Recording and Review facilities provide a complete picture of execution history, with data values.

List the statements in execution history that modified a specified variable.

Review execution history to identify the previous modification to the variable *dataitem*. BACKTRACK recording must be on to use this function.

The direction of the BACKTRACK Review facility can be set using the RUN and STEP facilities.

Show commands built from the CUA pull-down and popup windows.

Finding Functions in a PL/I Program

Highlight and tag all statements that affect storage control.

Printing Functions in a PL/I Program

SEARCH | SUBSET | STORAGE
(LP STorage)

Write all statements that affect storage control to the LIST file for printing.

Subsets

Predefined categories of subsets that can be applied to PL/I programs:

ASsignment	EXECutable	ONBlock
BLocks	EXIt	ONCondition
Call	Goto	Output
CONDitional	INPUT	PROcedure
DEFinition	IO	STORage
ENDProcedure	LABel	STructure
Entry	NONExclude	TESted
Exclude	NONHighlight	UNTested

Linking to Other ASG Products

TEST | ALLIANCE
(ALLIANCE)

Initiate a link to ASG-Alliance.

CICS Primary Commands

LIST | CICS FEATURES | EIB
(LI EIb)

Show a formatted display of the EXEC Interface Block (EIB) for viewing and updating.

LIST | CICS FEATURES | FILES
(LI FIle)

Display the File Service Menu used to select the type of CICS File Records to be processed.

LIST | CICS FEATURES | LIMITS
(LI LIimits)

Display the Transaction Limits and Options screen where CICS testing restrictions and options can be viewed and maintained.

TEST | CICS FEATURES | TABLES
(LI TAB)

Provide access to the tables used to set monitoring rules.

TEST | CICS NEWCOPY | module
(NEWCOPY)

Perform a CICS NEWCOPY of the module specified in the current region.

TEST | RUN | tran-id
(RUN tran-id)

Initiate a transaction ID.

VIEW | CICS SHOW
(SHOW)

Redisplay last user application screen during an active test session.

VIEW | TOGGLE
(TOGGLE)

Switch from SmartTest session to connected CICS session.

OPTIONS | MODES | STOPEXEC ON
(SET STOPEXEC)

Stop program execution before each EXEC CICS request.

OPTIONS | MODES | STOPHAND ON
(SET STOPHAND)

Stop program execution after an EXEC CICS Handle condition is raised.

IMS Primary Commands

LIST | IMS/DC QUEUES
(LI Queue)

Display the Processing Queue List Screen, which lists categories of IMS processing queues.

VIEW | TOGGLE
(TOGGLE)

Switch from the SmartTest session to the IMS session.

SmartTest-supported IMS Commands

(/EXIT)

Exit a conversational transaction.

(/FOR)

Invoke Message Format Service (MFS) to display a screen format.

(/RCL)

Close or terminate IMS connection.

(/TOGGLE)

Switch from the IMS session to SmartTest.

Assembler Functions

OPTIONS | MODES | REGISTERS ON
(SET REG ON)

Display and/or modify contents of the general registers during a test session. Modified registers are highlighted.

TEST | STOP | target
(STOP target)

Suspend the test session before any modification of target (target can be a dataname or absolute address).

LIST | MEMORY | area
(LI MEM)

Display and modify memory area.

LIST | ALL | INTERCEPTS
(LI Int)

Display the intercept list of LINKed, ATTACHed, and dynamically CALled modules (non-CICS tests).

(ZA line command)

Display the object code for a specific statement.

VIEW | ZOOMDATA | R13?+8
(ZD R13?+8)

Display the data at 8 bytes offset from the address in register 13, with the ? indicating 31-bit indirect addressing.

Changing Environments

FILE | SETUP TEST ENVIRONMENT | SELECT TEST ENV
(ENV)

Display the Environment Setup Menu screen.

LIST | TEST SESSION TAILORING
(LI TAilor)

Display/change test features requested for specific modules and programs.

FILE | SETUP TEST ENVIRONMENT | SETUP CURRENT ENV
(SETUP)

Display the Test Session Setup screen.

LIST | PROFILES
(LI PRofile)

Save, select, copy, or delete test session setups.

VIEW | PROGRAM SOURCE/OBJECT
(VIEW)

Display the Program View screen.

Compile/Analyze Source Code

Option 1

When your compile/link JCL resides in a PDS or sequential dataset:

- FILE | ANALYZE
(AN)

Displays the File - Analyze Submit screen.
- Type the applicable dataset name in the Compile and Link JCL and AKR data set name fields. Make sure the ASG-SmartTest Analyze Feature and the Compile field contain a Y value.
- Submit or Edit the temporarily altered JCL. **Note:** If you make changes while in the Edit option, type SUB within the Editor to save changes.

Option 2

From the edit session of the compile JCL, type VIASUB in the primary command area to display the Analyze Submit screen. Next, follow Steps 2 and 3 from Option 1. (You do not need to specify the compile/link JCL.)

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ASG Technical Publication Number STL0900-60
Publication Date: February 4, 2002

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